

## 18:1 Liss Rhod PE

1,2-dioleoyl-sn-glycero-3-phosphoethanolamine-N-(lissamine rhodamine B sulfonyl) (ammonium salt)

810150C-5MG

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<b>Molecular Weight</b>	1301.715
<b>Chemical Formula</b>	C <sub>68</sub> H <sub>109</sub> N <sub>4</sub> O <sub>14</sub> PS <sub>2</sub>
<b>Physical State</b>	Chloroform
<b>Storage</b>	-20°C
<b>Expiration Date</b>	One year from date of receipt
<b>M Lot Number</b>	5340CHB093
<b>Avanti Lot Number</b>	810150C-5MG-B-093

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	<b>Chloroform:</b> Pink to dark pink solution with no foreign matter	Pass
TLC	>99% Purity UV: one major spot Iodine: one major spot Phosphorus: positive Water dip: one major spot	All Pass
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Excitation/Emission by UV/Vis	$\lambda_{Ex\ max} \approx 560\ nm$ $\lambda_{Em\ max} \approx 583\ nm$	$\lambda_{Ex\ max} = 561\ nm$ $\lambda_{Em\ max} = 579\ nm$
Mass Spectroscopy	$[M-NH_4]^+ = 1283.7 \pm 1\ amu$	$[M-NH_4]^+ = 1282.7\ amu$

Approved By:



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